

M 4.9, 29.9 km (18.6 mi) W of Petrolia, CA

Origin Time: Fri 2009-08-07 10:49:34 UTC

Location: 40.31°N 124.64°W Depth: 16 km

PAGER
Version 13

Created: 14 hrs, 55 mins after earthquake

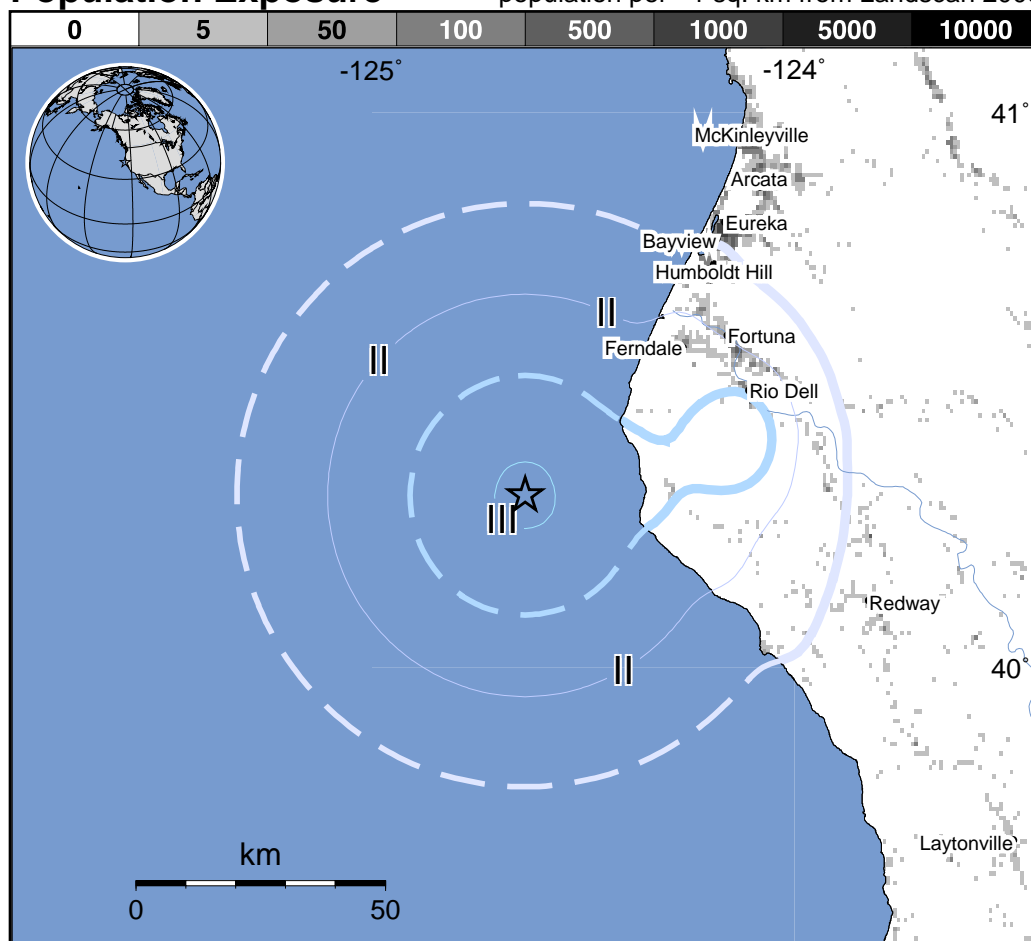
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		94k*	38k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan 2006

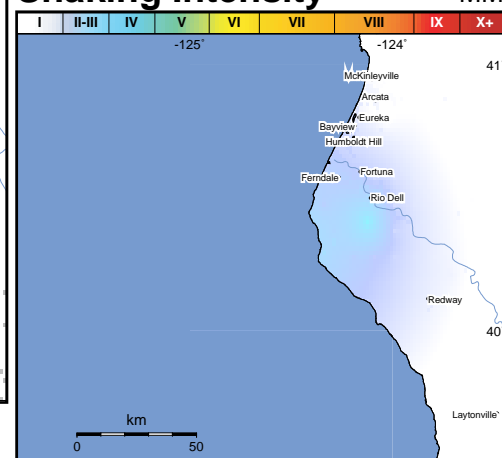


Selected City Exposure

MMI City	Population
III Rio Dell	3k
II Ferndale	1k
II Hydesville	1k
II Fortuna	11k
II Humboldt Hill	3k
II Bayview	3k
II Pine Hills	3k
I Myrtletown	4k
I Eureka	25k
I Arcata	17k
I McKinleyville	15k

bold cities appear on map (k = x1000)

Shaking Intensity



Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.